

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| L1 | 4 | micro adj projection with grain adj boundar\$3 | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/07 04:24 |
| L2 | 12 | "6746942" | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/07 04:24 |
| L3 | 35 | micro adj projection with crystal\$6 | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/07 04:24 |
| L4 | 73 | (micro adj projection or hillock) with (single adj crystal\$6 or monocystal\$6) | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/07 04:24 |
| L5 | 73 | (micro adj projection or hillock) with ((single adj crystal\$6) or monocystal\$6) | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/01/07 04:24 |

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| L6 | 3 | L5 and anneal\$4 with polycrystalline | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:24 |
| L7 | 3 | L5 and (anneal\$4 with polycrystalline) | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:24 |
| L8 | 31 | (micro adj projection or hillock) with ((single adj crystal\$6) or monocrystal\$6) and insulating with substrate | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:24 |
| L9 | 144 | grain adj boundary with projection | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:24 |
| L10 | 12 | (projection with grain adj boundar\$3) same (single adj crystal\$6 or monocrystal\$6) | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:24 |

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| L11 | 3 | (uplift\$3 with grain adj boundar\$3) same (single adj crystal\$6 or monocystal\$6) | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:24 |
| L12 | 33 | (collid\$3 with grain adj boundar\$3) same (single adj crystal\$6 or monocystal\$6) | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:24 |
| L13 | 26 | L12 and amorphous and polycrystalline | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:24 |
| L14 | 4 | L13 and projection | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:24 |
| L15 | 49 | ("5365875" "5712496" "57669 89" "5817173" "5824573" "58 49612" "6059573" "6165875" " 6180957" "6194023" "62944 41" "6323072" "6329270" "63 68945" "6396147" "6411906" " 6440824" "6506669" "65219 09" "6534353" "6545294" "65 58998" "6608326" "6746942") .PN. | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:24 |

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| L16 | 19 | L15 and projection | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:24 |
| L17 | 5 | L16 and grain adj boundary with projection | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:24 |
| L18 | 1 | L16 and grain adj boundary with three with projection | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:24 |
| L19 | 749 | 438/486.ccls. | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:24 |
| L20 | 2379 | 438/586.ccls. | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:24 |

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| L21 | 385 | 257/19.ccls. | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:24 |
| L22 | 423 | 257/64.ccls. | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:24 |
| L23 | 1 | L19 and grain adj boundary with three with projection | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:24 |
| L24 | 1 | L20 and grain adj boundary with three with projection | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:24 |
| L25 | 0 | L21 and grain adj boundary with three with projection | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:24 |

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| L26 | 0 | L22 and grain adj boundary with three with projection | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:24 |
| L27 | 5 | grain adj boundary with three with projection | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:25 |
| L28 | 4200 | L1 L2 L3 L4 L5 L6 L7 L8 L9 L10 L11 L12 L13 L14 L15 L16 L17 L18 L19 L20 L21 L22 L23 L24 L25 L26 L27 | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:24 |
| L29 | 40194 | (amorphous same (polysilicon or polycrystalline)) | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:32 |
| L30 | 14689 | 29 and ((polysilicon or polycrystalline) same (single or monocrystalline)) | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:32 |

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| L31 | 1 | 30 and microprojection | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:27 |
| L32 | 3 | 30 and micro adj projection | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:33 |
| L33 | 265 | 30 and hillock | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:27 |
| L34 | 41 | 33 and roughness | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:28 |
| L35 | 42 | 33 and (hillock with (single or monocrystalline)) | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:29 |

EAST Search History

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| L36 | 31 | 35 and grain with boundar\$3 | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:34 |
| L37 | 11655 | (amorphous same (heat\$3 or anneal\$3) same (polysilicon or polycrystalline)) | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:32 |
| L38 | 3690 | 29 and ((polysilicon or polycrystalline) same (heat\$3 or anneal\$3) same (single or monocrystalline)) | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:33 |
| L39 | 3036 | 37 and ((polysilicon or polycrystalline) same (heat\$3 or anneal\$3) same (single or monocrystalline)) | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:36 |
| L40 | 850 | 39 and (micro adj projection or rough\$3 or projection) | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:34 |

EAST Search History

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| L41 | 471 | 39 and (micro adj projection or projection) | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:34 |
| L42 | 471 | 39 and (projection) | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:34 |
| L43 | 0 | 35 and (projection with grain with boundar\$3) | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:35 |
| L44 | 0 | 35 and (lift\$3 with grain with boundar\$3) | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:35 |
| L45 | 884 | 39 and grain with boundar\$3 | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:53 |

EAST Search History

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| L46 | 28 | 45 and grain adj boundar\$3 with collid\$3 | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:40 |
| L47 | 12 | 46 and projection | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 04:40 |
| L48 | 7 | ("20020031876" "20020100909" "20020102823" "20030181043" "20030183875" "20030230749" "20030230750").PN. | US-PGPU B; USPAT; USOCR | OR | ON | 2008/01/07 04:46 |
| L49 | 23 | 45 and roughness with crystal\$4 | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 05:02 |
| L50 | 2067529 1 | US "6608326" B1 | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 05:03 |

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| L51 | 11 | "6608326" | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2008/01/07 05:03 |
| S1 | 4 | micro adj projection with grain adj boundar\$3 | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/09/03 21:40 |
| S2 | 11 | "6746942" | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/09/03 21:37 |
| S3 | 34 | micro adj projection with crystal\$6 | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/09/03 21:42 |
| S4 | 73 | (micro adj projection or hillock) with (single adj crystal\$6 or monocystal\$6) | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/09/03 21:51 |

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| S5 | 73 | (micro adj projection or hillock) with ((single adj crystal\$6) or monocystal\$6) | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/09/03 21:44 |
| S6 | 3 | S5 and anneal\$4 with polycrystalline | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/09/03 21:43 |
| S7 | 3 | S5 and (anneal\$4 with polycrystalline) | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/09/03 21:44 |
| S8 | 31 | (micro adj projection or hillock) with ((single adj crystal\$6) or monocystal\$6) and insulating with substrate | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/09/03 21:50 |
| S9 | 137 | grain adj boundary with projection | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/09/03 22:00 |

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| S10 | 12 | (projection with grain adj boundar\$3) same (single adj crystal\$6 or monocystal\$6) | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/09/03 21:52 |
| S11 | 3 | (uplift\$3 with grain adj boundar\$3) same (single adj crystal\$6 or monocystal\$6) | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/09/03 21:53 |
| S12 | 33 | (collid\$3 with grain adj boundar\$3) same (single adj crystal\$6 or monocystal\$6) | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/09/03 21:54 |
| S13 | 26 | S12 and amorphous and polycrystalline | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/09/03 21:55 |
| S14 | 4 | S13 and projection | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/09/03 21:59 |

EAST Search History

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| S15 | 49 | ("5365875" "5712496" "5766989" "5817173" "5824573" "5849612" "6059573" "6165875" "6180957" "6194023" "6294441" "6323072" "6329270" "6368945" "6396147" "6411906" "6440824" "6506669" "6521909" "6534353" "6545294" "6558998" "6608326" "6746942") .PN. | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/09/03 21:59 |
| S16 | 19 | S15 and projection | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/09/03 21:59 |
| S17 | 5 | S16 and grain adj boundary with projection | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/09/03 22:18 |
| S18 | 1 | S16 and grain adj boundary with three with projection | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/09/03 22:19 |
| S19 | 729 | 438/486.ccls. | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/09/03 22:18 |

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| S20 | 2366 | 438/586.ccls. | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/09/03 22:18 |
| S21 | 365 | 257/19.ccls. | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/09/03 22:19 |
| S22 | 412 | 257/64.ccls. | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/09/03 22:19 |
| S23 | 1 | S19 and grain adj boundary with three with projection | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/09/03 22:19 |
| S24 | 1 | S20 and grain adj boundary with three with projection | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/09/03 22:19 |

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| S25 | 0 | S21 and grain adj boundary with three with projection | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/09/03 22:19 |
| S26 | 0 | S22 and grain adj boundary with three with projection | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/09/03 22:19 |
| S27 | 4 | grain adj boundary with three with projection | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB | OR | ON | 2007/09/03 22:20 |